



Using NCRR's New XMLPDF Annual Progress Report Uploading Capability.



What are the benefits?

- The ability to include graphics, formulae and special characters within many of the Annual Report text fields by referencing PDF files.
- APR information may be repeatedly uploaded from your local database.
 - This will keep the local database synchronized with NCRR's APR.



General Workflow

- Install the ARP2XML conversion software
- Optionally, add PDF file references into the ARP mdb
- Convert the ARP2005 NIH Transfer mdb file
 - Review and resolve any errors with file
- Log into the NCRR APR web site and perform a GAR XML Upload
- Review Status of the GAR XML Upload
- Repeat as necessary



Install the APR2XML Conversion Software

1. Locate and run the executable file ~~#1~~ APR2XMLInstall.exe
2. Welcome
3. License Agreement
4. Choose Destination Location
5. Ready to Install the Program
 - To begin double click or right click and select open
 - The “Welcome to ARP2XML InstallShield” window will appear
 - Click Next
 - File Folder Locations: These files should be where you store all PDF and MDB files or where you must move these files to process them with the ARP to XML Generator.



ARP Specific Installation

During the ARP2XML installation the File Folder Locations screen is presented to the installer. Use this screen to tell the program where your files are located. Four values must be selected:

- **MDB_PATH:** Must point to the {ARPHOME}\Data2005 directory
- **PDFFILES:** The directory where the PDF Files to be included within this report are stored.
- **ZIPFILES:** The directory where converted GAR XML Zip files are placed for upload. Users will “browse” to this directory when they Upload from the APR Web Site.
- **XML_PATH:** This is used by the program and should have several hundred Megabytes of storage available.

PDFFILES, ZIPFILES, and XML_PATH may be subdirectories under ARP.



Add PDF File References

- PDF files may be referenced within the body of any of the ARP database fields identified in the table below. The PDF files should be placed within the directory specified in the installation or the PDFFILES value in the arp2xml.properties file. Referenced PDF files must contain the Principal Investigator, the Grant Number, and the Project Identifier at the top of each page.
- In the individual field the PDF file must be referenced as “FILE:myAbstract.pdf “ with myAbstract.pdf as the name of the PDF file to be included from the PDFFILES subdirectory.

ARP MDB Table	ARP MDB Filename	Description
CCAPS	SCIACT_TXT	Summary of scientific activities
CMCAPS	SCIACT_TXT	Summary of scientific activities
N_ADMN	ADMIN_NAR	Narrative text
N_HILI	SC_HILITES	Text with statement of hypotheses and rational for research, concise description of methodology, and discussion of results.
CRFF	PROJECT_SUMMARY	Project summary
SPJPRO	SUMMARY	Sub Project summary
SPJPRO	RESULTS	Progress report



Convert File to GAR XML Package



- Double click on the ARP to XML Generator icon
 - Desktop
 - (Start, Programs, ARP2XML)
- Select the transfer database file (RR000000.mdb) and click start
 - The file will be converted to and XML ZIP format
 - Note the new file location
- To verify that the file has been converted correctly
 - Message “XML Validated against Schema Successfully” will display
 - The “View Error(s)” button is disabled
- To verify that the file has been NOT converted correctly, click the “View Error(s) button
 - Any errors will be displayed.



Common Conversion Errors

- A referenced PDF filename was misspelled or is missing.

Error in instance (28075, 19)
reason: enumeration constraint failed.
The element: '{http://www.arpgcrc.nih.gov}VALID' has
an invalid value according to its data type.
source: <arp:VALID>FALSE</arp:VALID>

Note that in the xml file the problematic PDF filename is specified few lines above the (*line 28075, column 19*).

```
<arp:USER_FILENAME>Quotations1.pdf</arp:USER_FILENAME>
```




Common Conversion Errors (2)

- Wrong Version of ARP was Used for Input. ARP2005 must be used.

reason: Table structures do not match expected format.



GAR XML Upload via the NCRR APR Web site

- Login into the NCRR APR website
- Select “GAR XML Upload”
- Browse to the GAR XML Zip file to be uploaded.
- Select “Upload”
- Periodically check the status over the next hour



Upload Again as Required

- New updates of the NIH Transfer file can be created with the “Submit to NIH” option and these can be converted using ARP2XML and uploaded.
- New Uploads will replace an entire previous upload.
- During the ingestion process uploading is prohibited. However, if an error occurs during ingestion or after completion of the process, upload capabilities will be restored. Return at a later time and perform the upload.